

Title (en)

METHODS OF FABRICATING DEVICES BY LOW PRESSURE COLD WELDING

Title (de)

VERFAHREN ZUM HERSTELLEN VON EINRICHTUNGEN DURCH NIEDERDRUCK-KALTSCHWEISSUNG

Title (fr)

PROCEDES DE FABRICATION DE DISPOSITIFS PAR SOUDAGE A FROID BASSE PRESSION

Publication

**EP 1573831 A2 20050914 (EN)**

Application

**EP 03796573 A 20031202**

Priority

- US 0338276 W 20031202
- US 43535002 P 20021220
- US 38792503 A 20030313

Abstract (en)

[origin: US2004121568A1] Methods of transferring a metal and/or organic layer from a patterned stamp, preferably a soft, elastomeric stamp, to a substrate are provided. The patterned metal or organic layer may be used for example, in a wide range of electronic devices. The present methods are particularly suitable for nanoscale patterning of organic electronic components.

IPC 1-7

**H01L 51/40**

IPC 8 full level

**H01L 51/00** (2006.01); **H01L 51/40** (2006.01); **H01L 51/05** (2006.01)

CPC (source: EP KR US)

**B33Y 10/00** (2014.12 - EP US); **H01L 21/20** (2013.01 - KR); **H05B 33/10** (2013.01 - KR); **H10K 10/00** (2023.02 - KR);  
**H10K 71/13** (2023.02 - EP US); **H10K 71/611** (2023.02 - EP US); **H10K 10/466** (2023.02 - EP US); **H10K 10/468** (2023.02 - EP US)

Citation (search report)

See references of WO 2004061994A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2004121568 A1 20040624; US 8222072 B2 20120717;** AU 2003298815 A1 20040729; CN 102544367 A 20120704;  
CN 102544367 B 20150513; CN 1795570 A 20060628; CN 1795570 B 20121107; EP 1573831 A2 20050914; EP 1573831 B1 20180404;  
EP 2306544 A1 20110406; EP 2306544 B1 20180124; JP 2006512744 A 20060413; JP 4948836 B2 20120606; KR 101099914 B1 20111228;  
KR 20050085858 A 20050829; US 2012295425 A1 20121122; US 8637345 B2 20140128; WO 2004061994 A2 20040722;  
WO 2004061994 A3 20041104

DOCDB simple family (application)

**US 38792503 A 20030313;** AU 2003298815 A 20031202; CN 200380109468 A 20031202; CN 201210029472 A 20031202;  
EP 03796573 A 20031202; EP 10015354 A 20031202; JP 2005508548 A 20031202; KR 20057011669 A 20031202; US 0338276 W 20031202;  
US 201213525539 A 20120618